

## Rabbit CD8 alpha Monoclonal Antibody | anti-CD8A antibody

Recombinant Anti-CD8 alpha Antibody, Rabbit Monoclonal

|                               |                       |                                    |                                             |
|-------------------------------|-----------------------|------------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA255272</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Ferret</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|------------------------------------|---------------------------------------------|

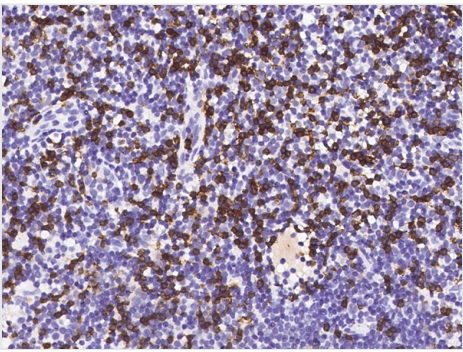
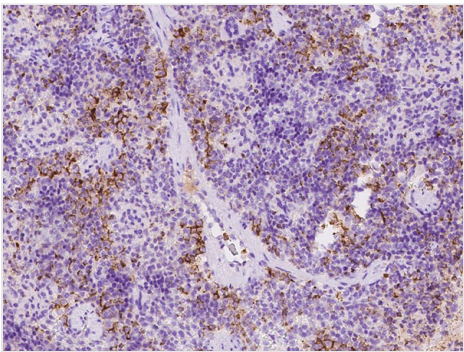
### PRODUCT SYNONYMS

CD8 alpha; Monoclonal Antibody; Recombinant Anti-CD8 alpha Antibody; Rabbit Monoclonal; CD8a/Lyt2 Antibody; Rabbit MAb; CD8a molecule; Anti-CD8 Antibody; Anti-CD8 alpha Antibody; Anti-Leu-2 Antibody; Anti-Leu2 Antibody; Anti-MAL Antibody; Anti-p32 Antibody; Anti-p32 186910 Antibody; anti-CD8A antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                     | Human, Ferret                                                                                                                                                                                                                                                         |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                   | 081                                                                                                                                                                                                                                                                   |
| Specificity                                    | Human CD8 alpha                                                                                                                                                                                                                                                       |
| Purity/Purification                            | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-CD8A antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Antibody Type                                  | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                      | Recombinant Human CD8a/Lyt2 protein                                                                                                                                                                                                                                   |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                    | This antibody was obtained from a rabbit immunized with purified, recombinant Human CD8a/Lyt2 (rh CD8a/Lyt2).                                                                                                                                                         |
| Preparation and Storage                        | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



IHC (Immunohistochemistry)  
Immunochemical staining CD8A in Ferret spleen with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

IHC (Immunohistochemistry)  
Immunochemical staining CD8a in human lymph node with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

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|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD8A antibody | T-cell surface glycoprotein CD8 alpha chain, also known as CD8a, is a single-pass type I membrane protein. The CD8 glycoprotein is expressed by thymocytes, mature T cells and natural killer (NK) cells and has been implicated in the recognition of monomorphic determinants on major histocompatibility complex (MHC) Class I antigens, and in signal transduction during the course of T-cell activation. Both human and rodent CD8 antigens are comprised of two distinct polypeptide chains, alpha and beta. The Ig domains of CD8 alpha are involved in controlling the ability of CD8 to be expressed. Mutation of B-and F-strand cysteine residues in CD8 alpha reduced the ability of the protein to fold properly and, therefore, to be expressed. Defects in CD8A are a cause of familial CD8 deficiency. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections. |
| References                                         | References Devine, L. et al., 2000, J Immunol. 164 (2): 833-8. Arcaro, A. et al., 2000, J Immunol. 165 (4): 2068-76. Saha, K. et al., 2001, Nat Med. 7 (1): 65-72. Romero, P. et al., 2005, Eur J Immunol. 35 (11): 3092-4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 22902134                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 925                                                                                                                                                                                                                                          |
| NCBI Accession #                 | NP_001759.3                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001768.6                                                                                                                                                                                                                                  |
| UniProt Accession #              | P01732; Q13970; Q4ZG17; B4DT80; D6W5M8                                                                                                                                                                                                       |
| Molecular Weight                 | 30,214 Da                                                                                                                                                                                                                                    |
| NCBI Official Full Name          | T-cell surface glycoprotein CD8 alpha chain isoform 1                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | CD8a molecule                                                                                                                                                                                                                                |
| NCBI Official Symbol             | CD8A                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | CD8; MAL; p32; Leu2                                                                                                                                                                                                                          |
| NCBI Protein Information         | T-cell surface glycoprotein CD8 alpha chain; T8 T-cell antigen; T cell co-receptor; OKT8 T-cell antigen; T-cell antigen Leu2; Leu2 T-lymphocyte antigen; CD8 antigen, alpha polypeptide (p32); T-lymphocyte differentiation antigen T8/Leu-2 |
| UniProt Protein Name             | T-cell surface glycoprotein CD8 alpha chain                                                                                                                                                                                                  |
| UniProt Gene Name                | CD8A                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | MAL                                                                                                                                                                                                                                          |
| UniProt Entry Name               | CD8A_HUMAN                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd8-alpha-antibody-clone-081-immunohistochemistry-elisa/255272>